



01-17-06

DPW

Docket No.: 64614(70904)  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Mitsuko Kosaka

Application No.: 10/559,783

Confirmation No.: N/A

Filed: December 8, 2005

Art Unit: N/A

For: METHOD FOR PRODUCING TISSUE  
CELLS FROM PLURIPOTENT STEM  
CELLS DERIVED FROM IRIS  
PIGMENTED EPITHELIAL CELLS OF  
ANIMAL, AND TISSUE CELLS OBTAINED  
BY METHOD

Examiner: N/A

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the date of entry of the national stage of an international application as set forth in 37 CFR 1.491 (37 CFR 1.97(b)(2)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent.

applications. Applicant submits herewith copies of foreign patents and non-patent documents in accordance with 37 CFR 1.98(a)(2).

A concise explanation of relevance of the items listed on form PTO/SB/08 in accordance with 37 CFR 1.98(a)(3) is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 64614(70904). A duplicate copy of this paper is enclosed.

Dated: January 13, 2006

Respectfully submitted,

By M J McLaren  
Margaret J. McLaren, Ph.D.

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PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	10/559,783
Filing Date	December 8, 2005
First Named Inventor	Mitsuko Kosaka
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	64614(70904)

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	HARUTA, Masatoshi et al., "Induction of Photoreceptor-Specific Phenotypes in Adult Mammalian Iris Tissue", Nature Neuroscience, Vol. 4 No. 12, December 2001, pp 1163-1164.	
	CB	REYNOLDS, Brent A. and WEISS, Samuel, "Generation of Neurons and Astrocytes from Isolated Cells of the Adult Mammalian Central Nervous System", Science, Vol. 255, March 27, 1992, pp 1707-1710.	
	CC	HAYASHI T. et al., "Regulated Lens Regeneration from Isolated Pigmented Epithelial Cells of Newt Iris in Culture in Response to FGF2/4, Differentiation, 2002, Vol. 70, Nos. 2 to 3; pp. 101-108.	
	CD	KOSAKA, M. et al., "In Vitro Culture System for Iris-Pigmented Epithelial Cells for Molecular Analysis of Transdifferentiation", Ex. Cell. Res., 1998, Vol. 245, pp. 245-251.	
	CE	TOMITA, H. et al., "Momaku Soshiki Saisei Chiryo eno Approach" (Approach for Treatment of Retinal Degenerative Diseases), Drug Delivery System, March 20, 2003, Vol. 18, No. 2, pp. 95-103 (in Japanese with English Abstract).	
	CF	Copy of International Search Report dated 07-20-2004 for corresponding Application No. PCT/JP2004/008120 (in English and Japanese). (2 pages)	

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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Application No. (if known): 10/559,783

Attorney Docket No.: 64614(70904)

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*M J McLaren*

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Margaret J. McLaren, Ph.D., Esq.

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53,303

Registration Number, if applicable

(954) 667-6148

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IDS (Citation) by Applicant (2 pages)  
PTO/SB/08 (1 page)  
6 Cited References  
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